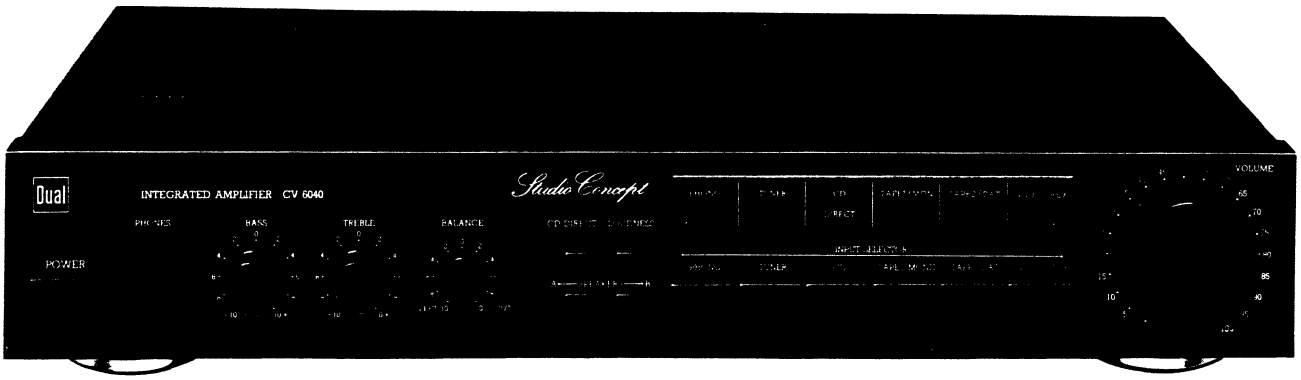
Service-Anleitung
Service Manual
Instructions de Service

Dual

CV 6040



Technische Daten (typische Werte)	**Specifications** (typical values)	**Caractéristiques techniques** (valeurs types)	**Dati tecnici** (valori tipici)	**CV 6040**
Ausgangsleistung Sinusleistung (8 Ω DIN 1 kHz) Sinusleistung (8 Ω IHF 20 Hz–20 kHz, 0,03 %) Musikleistung (8 Ω)	**Power output** RMS continuous power output (8 Ω DIN 1 kHz) RMS continuous power output (8 Ω IHF 20 Hz–20 kHz, 0.03 %) music power (8 Ω)	**Puissance de sortie** Puissance sinus (8 ohms DIN 1 kHz) Puissance sinus (8 ohms IHF 20 Hz–20 kHz, 0,03 %) Puissance musique (8 ohms)	**Potenza d'uscita** capacità sinusoidale (8 ohm DIN 1 kHz) capacità sinusoidale (8 ohm IHF 20 Hz–20 kHz, 0,03 %) Potenza musicale (8 ohm)	 2×50 W 2×45 W 2×70 W
Leistungsbandbreite	**Frequency response**	**Bande de puissance**	**Banda di potenza**	10–70000 Hz
Klirrfaktor bei 2/3 Leistung (1 kHz)	**Harmonic distortion** at 2/3 power (1 kHz)	**Distorsion** à 2/3 de puissance (1 kHz)	**Distorsione armonica** a 2/3 de rendimento (1 kHz)	< 0,01 %
Fremdspannungsabstand bezogen auf Nennleistung Phono-Eingang Hochpegel-Eingänge (CD, VIDEO, TAPE, TUNER)	**Signal/noise ratio** referred to rated power output Phono input High-level inputs (CD, VIDEO, TAPE, TUNER)	**Rapport non pondéré son/bruit** par rapport à la puissance nominale Entrée Phono Entrées haut niveau (CD, VIDEO, TAPE, TUNER)	**Selettivitá** riferita alla potenza nominale ingresso phono ingressi ad alte impedenze (CD, VIDEO, TAPE, TUNER)	 70 dB 90 dB
Übersprechdämpfung	**Crosstalk attenuation**	**Diaphonie**	**Diafonia**	80 dB
Eingänge CD, VIDEO, TAPE, TUNER PHONO	**Inputs** CD, VIDEO, TAPE, TUNER PHONO	**Entrées** CD, VIDEO, TAPE, TUNER PHONO	**Ingressi** CD, VIDEO, TAPE, TUNER PHONO	 200 mV/47 kΩ 2,5 mV/47 kΩ
Ausgänge Druckklemmen für zwei Lautsprecherpaare 1-Koaxialbuchse ¼ inch für Kopfhörer TAPE 1/TAPE 2	**Outputs** Clamping terminals for two speaker pairs 1 coaxial jack, ¼ inch, for headphones TAPE 1/TAPE 2	**Sorties** Bornes à pression pour deux paires de haut-parleurs 1 prise coaxiale ¼" pour écouteurs TAPE 1/TAPE 2	**Uscite** morsetti di pressione per due coppie di diffusori 1 presa coassiale ¼" per cuffia TAPE 1/TAPE 2	 8–16 Ohm
Leistungsaufnahme (maximal)	**Power input** (maximum)	**Consommation de courant** (maximum)	**Potenza assorbita** (massimo)	200 Watt
Netzspannung Model Europa Model USA/Kanada Model UK	**Mains voltage** European model US/Canadian model UK model	**Voltage secteur** Modèle Europe Modèle USA/Canada Modèle Royaume-Uni	**Tensione di rete** modello Europa modello Stati Uniti/Canada modello GB	 220 V/50 Hz 120 V/60 Hz 240 V/50 Hz
Maße (Breite × Höhe × Tiefe)	**Dimensions** (width × height × depth)	**Dimensions** (largeur × hauteur × profondeur)	**Dimensioni** (larghezza × altezza × profondità)	440 × 82 × 245 mm

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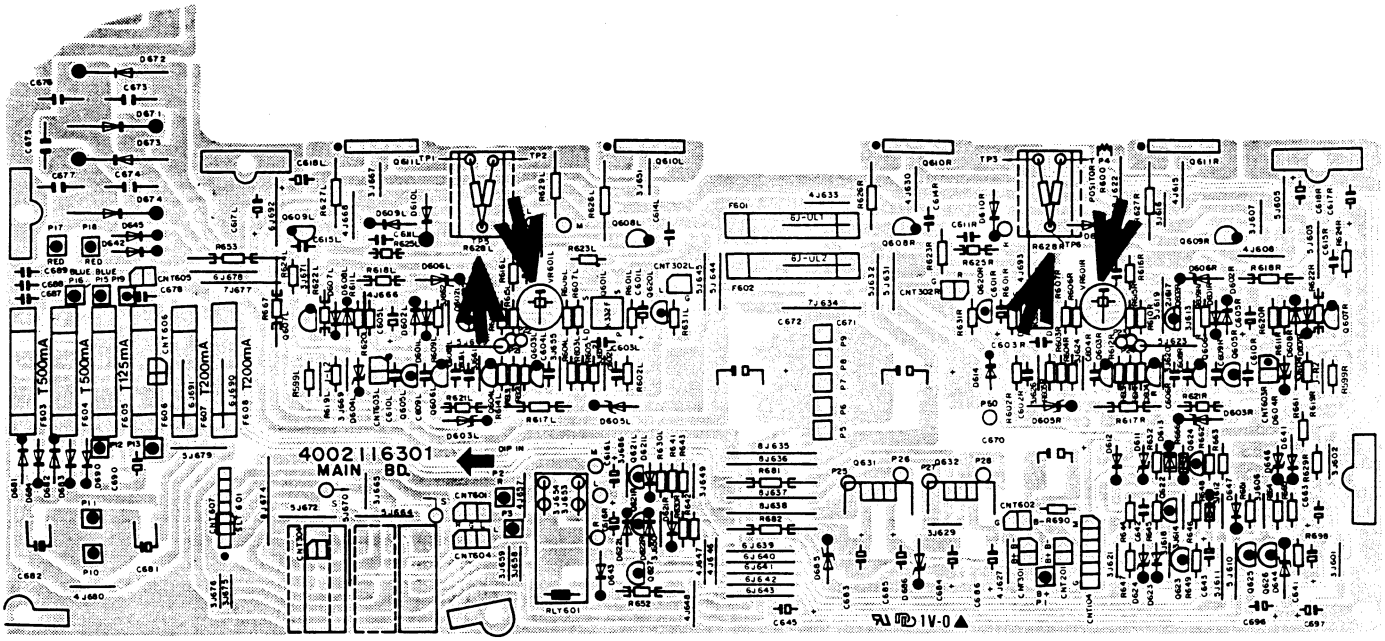
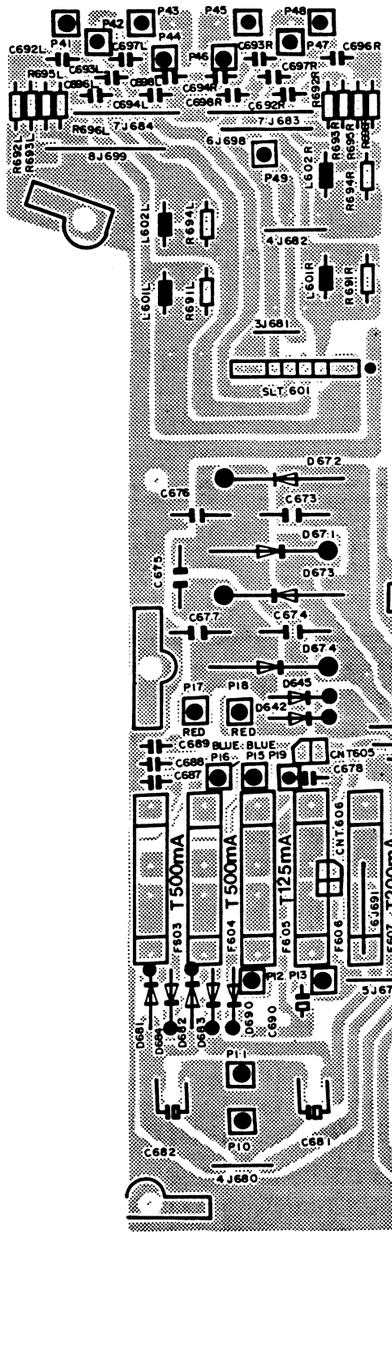
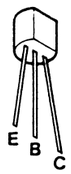
Abgleichanleitung-Alignment Instruction

Signalquelle Signal source	Einstellung Signalquelle Signal source adjustment	Einsteilung Gerät Unit adjustment	Anzeigegerät Anschluß Indicator connection	Abgleichposition Adjustment position	Abgleich, Bemerkung Alignment, Remarks
Ruhestrom · Quiescent Current					
		Power: On Volume: Minimum Speaker: On Speaker: 8 Ω Lastwiderstand Load resistor Gerät 4 Minuten warmlaufen lassen Wait about 4 minutes	DC-Voltmeter an/to TP 5–GND TP 6–GND	 VR 601 L VR 601 R	 0 V ± 50 mV 0 V ± 50 mV

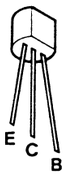


Grundplatte
Main P.C.B.
Platine principale

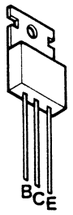

P41
P42
P43
P44
P45
P46
P47
P48
C692L
C693L
C694L
C695L
C696L
C697L
C692R
C693R
C694R
C695R
C696R
C697R
R695L
R696L
R692L
R691L
R692R
R695R
7J684
7J683
6J698
6J699
P49
L602L
L601L
R694L
R691L
4J682
L602R
L601R
R694R
R691R
3J681
SLT 601
D672
C676
C673
D671
D673
C677
C674
D674
D645
D642
P17
P18
RED
RED
BLUE
BLUE
C689
C688
C687
P16
P15
P19
CNT606
C678
6J678
7J677
T500mA
T500mA
T125mA
T200mA
T200mA
F603
F604
F605
F606
F607
F608
6J690
6J689
P12
P13
5J679
D681
D682
D690
C690
P11
P10
C682
C681
4J680
CNT607
5J672
3J676
3J675
8J674
CNT601
CNT604
CNT605
3J659
3J658
4J647
4J646
RLY601
3J654
3J653
C616L
3J686
D621L
R621L
R630L
R641
R643
3J649
C616R
3J685
D621R
R621R
R630R
R642
R643
3J648
D643
Q621R
Q622R
R652
4002116301
MAIN BD.
DIP IN
P22
5J664
3J660
3J663
3J661
C618L
C617L
3J692
Q611L
TP1
TP2
3J667
R627L
4J668
Q609L
D609L
D610L
C611L
R625L
TP5
R628
R629L
R626L
Q610L
Q608L
C614L
3J656
R623L
F601
6J-UL1
6J-UL2
F602
3J645
3J644
3J651
3J652
3J631
3J632
4J633
4J630
R626R
Q610R
C614R
Q608R
C611R
R623R
R625R
TP3
TP6
R628R
D610R
R601R
4J693
POSITION
R600
P4
8J622
Q609R
D609R
R627R
3J618
4J615
3J607
4J608
3J605
C618R
C617R
R624R
R618R
R622R
3J603
D606R
D602R
R616R
R605R
3J619
3J617
3J613
R601R
R607R
R606R
R620R
R621R
R603R
R624
R604R
C603R
C604R
C605R
C610R
C608R
C609R
R611R
R608R
R607R
R599R
R617R
D605R
D603R
P50
D614
R602R
3J622
3J623
3J624
C602R
C606R
R621R
R617R
D605L
D603L
R599L
R617L
R621L
C604L
C603L
C605L
C610L
C608L
C609L
R611L
R608L
R607L
R606L
R620L
R601L
R603L
R624L
R604L
D606L
D602L
R616L
R605L
3J619
3J617
3J613
3J666
3J669
3J662
3J663
3J661
3J660
3J655



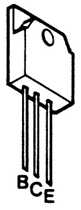
MPS A 05
MPS A 55
MPS 9633



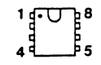
KTA 817 A
2 SA 817 A
KTA 949 Y
2 SA 949 Y
KTA 1015 GR
2 SA 1015
KTA 1302
2 SC 1302
KTC 1627 A
2 SC 1627 A
KTC 1815 Y
2 SC 1815 Y
KTC 2229 Y
2 SC 2229 Y
KTC 2240
2 SC 2240



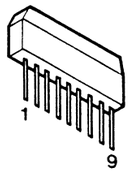
2 SD 1406 GR
2 SB 0366



2 SA 1489
2 SC 3853
2 SA 1491
2 SC 3855

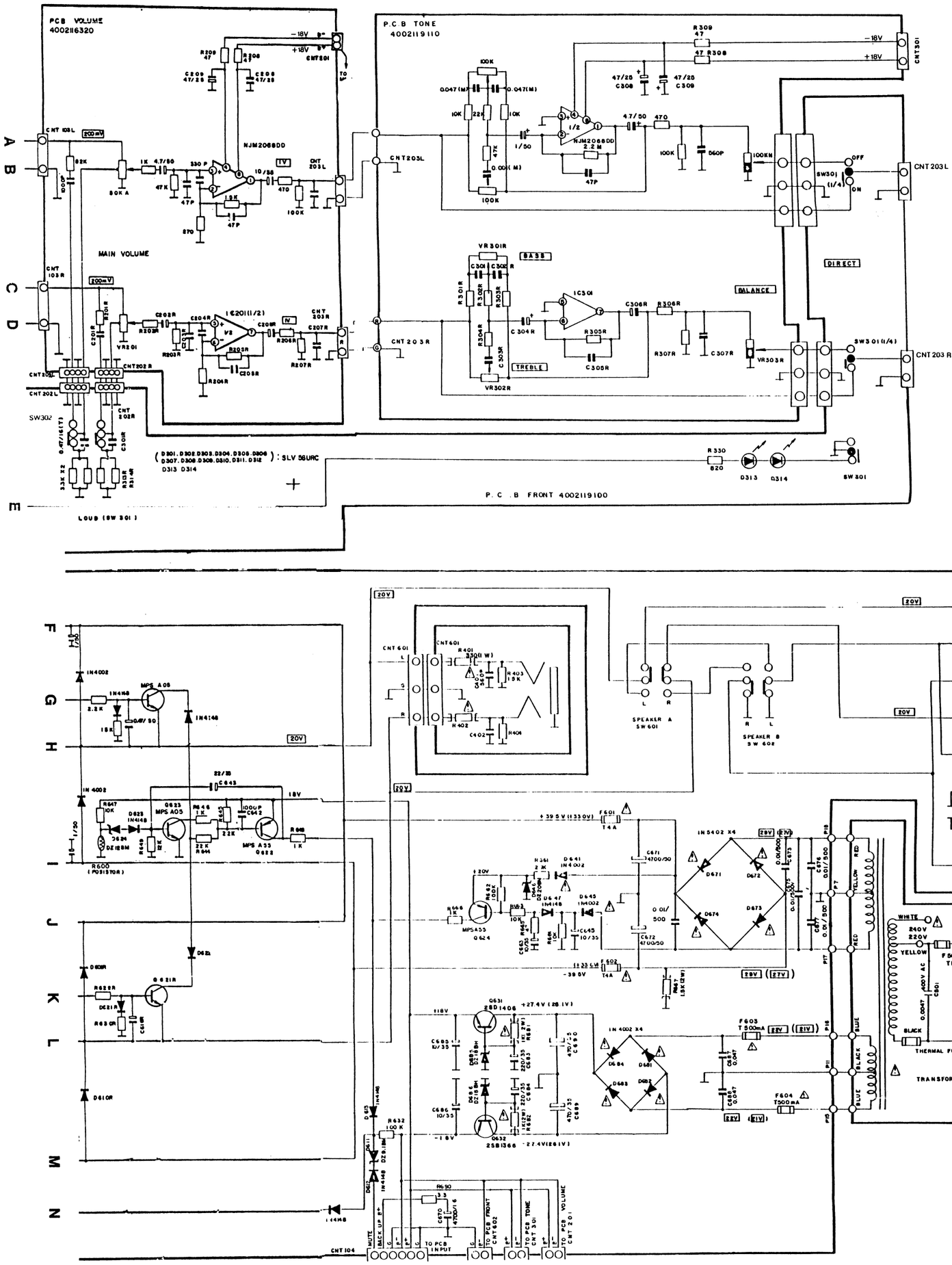


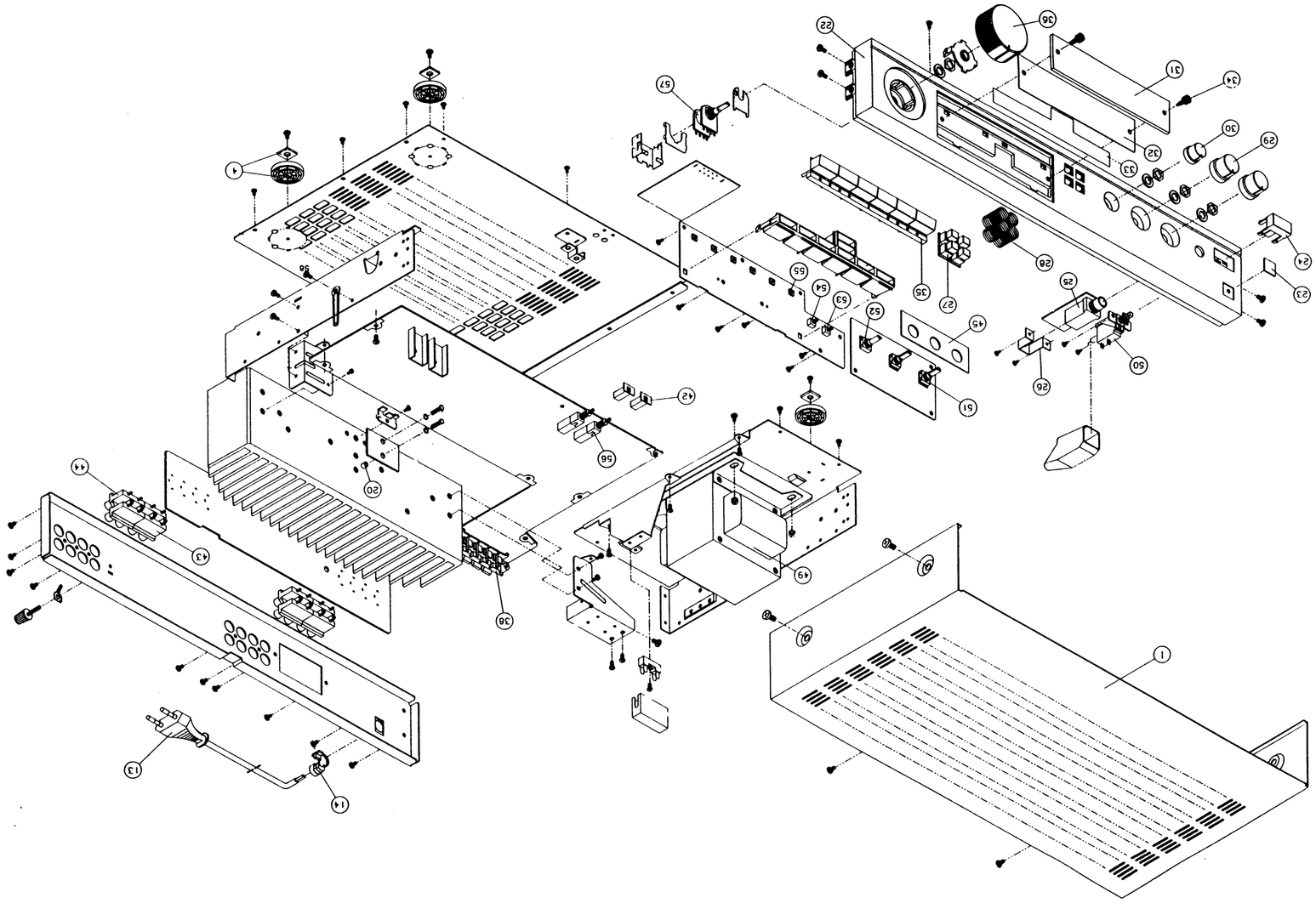
NJM 2068 DD
KIA 75559

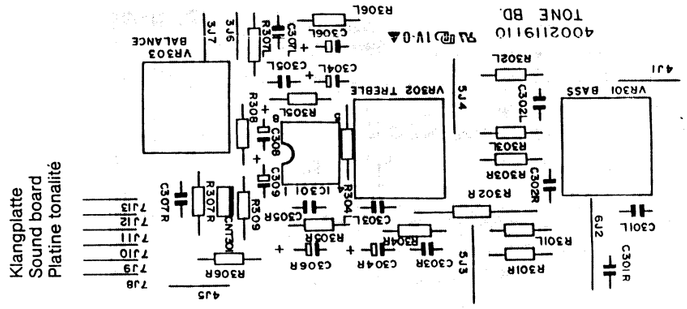


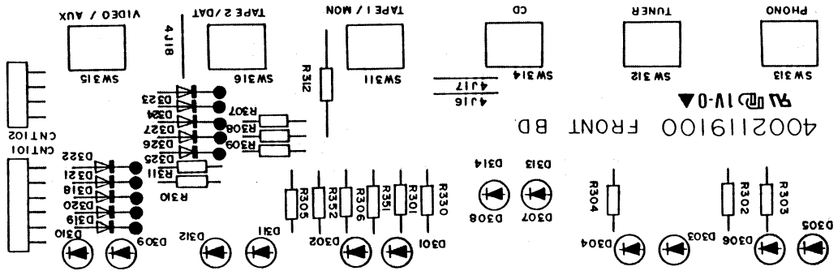
KIA 75559 S
NJM 4360 S

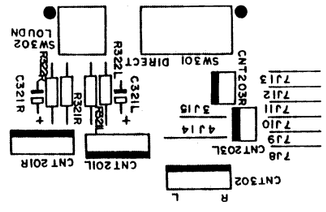
2 SK 332 F

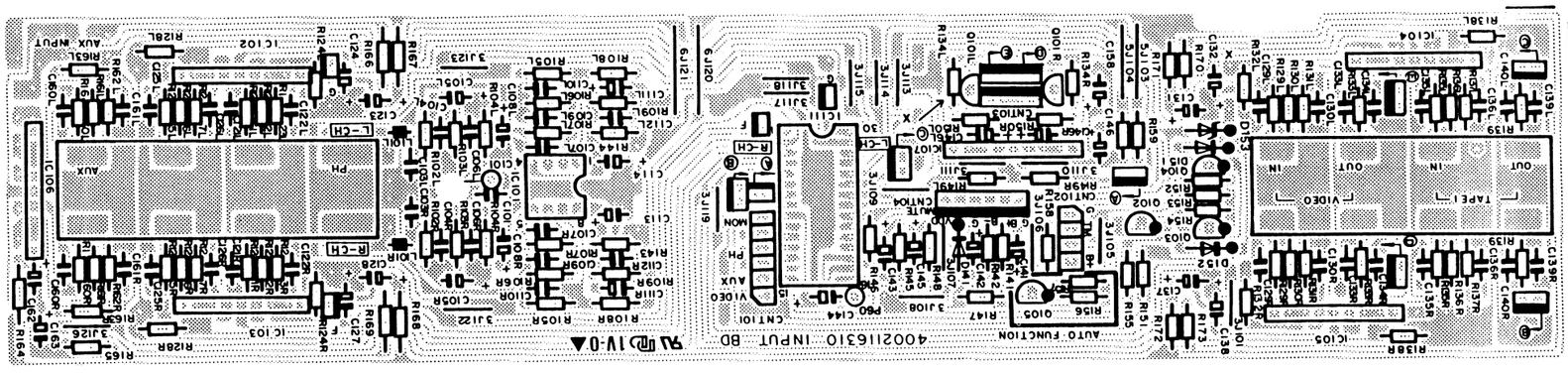

PCB VOLUME
4002116320
P.C.B TONE
4002119110
MAIN VOLUME
NJM2068DD
TV
BASS
TREBLE
BALANCE
DIRECT
OFF
ON
SW301 (1/4)
CNT 203L
CNT 203R
CNT 301
SW302
LOUD (SW 301)
P.C.B FRONT 4002119100
SW 301
D313
D314
R330
820
SPEAKER A
SW601
SPEAKER B
SW 602
TRANSFORMER 282806501
THERMAL FUSE
F501 T1.6A
F601 T4A
F602 T4A
F603 T500mA
F604 T500mA
240V
220V
YELLOW
BLACK
BLUE
RED
WHITE
220V 50HZ
MPS A05
MPS A55
2SB1406
2SB1366
IN4002
IN4148
IN5402 X4
IN 4002 X4
20V
18V
-18V
+18V
+39.5V (+33.0V)
-39.0V
+27.4V (26.1V)
-27.4V (26.1V)
MUTE
BACK UP B+
TO PCB INPUT
TO PCB FRONT CNT 602
TO PCB TONE CNT 301
TO PCB VOLUME CNT 201
CNT 104
CNT 601
SPEAKER A
SPEAKER B




4002119110
TONE BD.
Klangplatte
Sound board
Platine tonalité


4002119100 FRONT BD
Frontplatte
P.C.B. controls
Platine commandes




4002116310 INPUT BD
Eingangsplatte
P.C.B. sockets
Platine prises

Ersatzteile · Replacement parts · Pièces détachées

Pos.	Art.-Nr.	Bezeichnung
1	284350	Gehäuseblech
4	283710	Gerätefuß
13	283750	Dual-Zeichen
14	237548	Kabeldurchführung
22	284353	Frontblende
23	283750	Dual-Zeichen
24	283665	Netztaste
25	283672	Kopfhörerbuchse
27	284326	Taste
29	283660	Drehknopf
30	283661	Drehknopf
31	284663	Fenster
32	284351	Displayeinlage
33	283663	Dämpfungsfolie
34	284773	Schraube
35	283666	Taste
36	283664	Drehknopf
38	282148	Lautsprecherklemmen
42	282145	Tastenverlängerung
43	283670	Cinchbuchse
44	283671	Cinchbuchse
49	284352	Netztrafo
50	282119	Netzschalter
51	284664	Steller 100 kΩ×2 (Bass, Treble)
52	283676	Steller 100 kΩ (Balance)
53	283674	Schalter (Direkt)
54	283675	Schalter (Loudness)
55	280197	Schalter (Funktion)
56	282132	Schalter (Speaker)
57	282130	Steller 50 k×2 (Volume)
		Grundplatte
C 671	284774	Elyt.-Kond. 4700 UF/50 V
C 672	284774	Elyt.-Kond. 4700 UF/50 V
L 601	282090	Spule 0,5 UH
L 602	282090	Spule 0,5 UH
D 603	282098	Diode DZ 24
bis		
D 606	282098	Diode DZ 24
D 607	223906	Diode 1 N 4148
D 608	223906	Diode 1 N 4148
D 609	226501	Diode 1 N 4002
D 610	226501	Diode 1 N 4002
D 611	282062	Diode DZ 9,1 BM
D 612	223906	Diode 1 N 4148
bis		
D 622	223906	Diode 1 N 4148
D 623	223906	Diode 1 N 4148
D 624	282063	Diode DZ 12
D 641	226501	Diode 1 N 4002
D 645	226501	Diode 1 N 4002
D 646	282065	Diode DZ 20 BM
D 647	223906	Diode 1 N 4148
D 671	282061	Diode 1 N 5402
bis		
D 674	282061	Diode 1 N 5402

Pos.	Art.-Nr.	Bezeichnung
D 681	226501	Diode 1 N 4002
bis		
D 684	226501	Diode 1 N 4002
D 685	282064	Diode DZ 18
D 686	282064	Diode DZ 18
VR 601	282072	Steller 470 Ω
Q 601	282051	Transistor 2 SK 332 F
Q 603	282052	Transistor KTC 2240 BL
Q 604	282052	Transistor KTC 2240 BL
Q 605	272751	Transistor MPS 9633 C
Q 606	282054	Transistor KTA 949 Y
Q 607	282053	Transistor KTC 2229 Y
Q 608	282094	Transistor KTC 2235 Y
Q 609	282095	Transistor KTA 965 Y
Q 610	282097	Transistor 2 SC 3854
Q 611	282096	Transistor 2 SA 1490
Q 620	282059	Transistor MPS A 05
Q 621	282059	Transistor MPS A 05
Q 622	282060	Transistor MPS A 55
Q 623	282059	Transistor MPS A 05
Q 624	282060	Transistor MPS A 55
D 631	278195	Transistor 2 SD 1406 GR
D 632	283668	Transistor 2 SB 1366 Y
		Eingangsplatte
L 101	282079	Spule 50 UH
D 141	223906	Diode 1 N 4148
D 151	223906	Diode 1 N 4148
D 152	223906	Diode 1 N 4148
D 153	282078	Diode DZ 3,3 B
IC 101	282074	IC NJM 2068 DD
IC 102	283669	IC KIA 75559 S
bis		
IC 107	283669	IC KIA 75559 S
IC 111	282085	IC LC 7818
Q 101	283208	Transistor 2 SK 117 BL
Q 102	282076	Transistor KTC 1815 Y
Q 103	283330	Transistor KTA 1015 GR
Q 104	282076	Transistor KTC 1815 Y
Q 105	283330	Transistor KTA 1015 GR
		Volume/Klangplatte
IC 201/IC 301	282074	IC NJM 2068 DD
		Frontplatte
D 301	282084	LED SLV 56 URC
bis		
D 314	282084	LED SLV 56 URC
D 318	223906	Diode 1 N 4148
bis		
D 327	223906	Diode 1 N 4148
Q 614	282076	Transistor KTC 1815 Y
Q 615	282076	Transistor KTC 1815 Y
	283571	Bedienungsanleitung
	283706	Faltschachtel
	283662	Einlage

Änderungen vorbehalten! Subject to change! Sous réserve de modification!